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tary of the same is Dr. H. Hesselman, Valhallavägen 25, Stockholm.

THE BROOKLYN BOTANIC GARDEN

A BROOKLYN Botanic Garden is now being established by the City of Greater New York in cooperation with the Brooklyn Institute of Arts and Sciences. Between twenty-five and thirty acres of land, south of the museum building of the institute in Brooklyn, and separated from Prospect Park by Flatbush Avenue, have been set apart for the purposes of the garden, and are now being surveyed and graded. A laboratory building for purposes of investigation and instruction, together with a range of experimental and public greenhouses, will be constructed during the coming summer and autumn. For this purpose the City of New York has appropriated \$100,000. In addition to this, friends of the garden in Brooklyn have subscribed \$50,000 as an endowment, the income of which is to be used for the purchase of equipment. It is intended to make the new garden not only a center of research, but also to give instruction to both elementary and advanced classes in botany, and cooperate in every feasible manner with the botanical work of the public and private schools of the Borough of Brooklyn. Dr. C. Stuart Gager, professor of botany in the University of Missouri, has been appointed director of the garden and will enter on his duties the first part of July. A scientific staff will be gradually assembled as soon as the buildings are ready for occupancy.

SCIENTIFIC NOTES AND NEWS

DR. GEORGE W. HILL, of Nyack, N. Y. and Professor E. B. Wilson, of Columbia University, have been elected foreign members of the Brussels Academy of Sciences.

THE Rumford Committee of the American Academy has recently made the following grants in aid of research: To Professor Joel Stebbins, \$350, in aid of his research with the selenium photometer. To Professor W. W. Campbell, \$125, in furtherance of the research on the polariscopic study of the solar corona by means of a Hartmann photometer. To Mr.

Frank W. Very, \$50, for the purchase of photographic glass plates of the spectrum by Higgs. To Professors C. E. Mendenhall and Augustus Trowbridge, \$250, in aid of their research on the effect of ether drift on the intensity of radiation. To Professor C. E. Mendenhall, \$250, in furtherance of a research on the free expansion of gases. The committee has also made a grant of \$250 to Professor Gilbert N. Lewis in aid of preparation of abstracts for publication in light and heat for the forthcoming International Physico-chemical tables.

PROFESSOR E. G. CONKLIN, of Princeton University, has been appointed to represent the National Academy of Sciences at the Zoological Congress at Gratz, Austria, and at the meeting of the International Association of Academies at Rome, Italy.

THE American Philosophical Society has appointed Professor E. G. Conklin, of Princeton University, a delegate to the eighth International Zoological Congress at Gratz, Austria, August, 1910; Professor George L. Goodale, of Harvard University, a delegate to the International Congress of Botanists at Brussels, May, 1910, and Professor Frederick W. Putnam, of Harvard University, a delegate to the Congress of Americanists in the City of Mexico in September, 1910.

PROFESSOR SIR J. J. THOMSON has been nominated to represent Cambridge University at the celebration in October, 1910, of the centenary of the University of Berlin.

THE Biological Society of the Massachusetts Institute of Technology gave a dinner in honor of Professor Wm. T. Sedgwick, on March 17, prior to his departure for Europe. Speeches were made by President Maclaurin, Professor Talbot and Professor Porter, and Professor Sedgwick replied.

DR. HENRY FAIRFIELD OSBORN, president of the American Museum of Natural History, and Dr. Charles W. Dabney, of the University of Cincinnati, are among those who have been chosen as electors for the Hall of Fame of New York University.

PROFESSOR BASHFORD DEAN, Columbia University, has recently been decorated by the French government chevalier de la légion d'honneur in recognition of his services to zoology in France.

DR. H. A. MIERS, F.R.S., principal of the University of London, has been elected a member of the Athenæum Club for "eminence in science."

DR. C. LLOYD MORGAN, F.R.S., for upwards of twenty years principal of University College, Bristol, first vice-chancellor of the university and now professor of psychology and ethics, has received a presentation from the staff and students of University College and friends. The gifts consisted of several substantial pieces of plate and £200 worth of books.

THE Marquis Cappelli has been appointed president of the International Institute of Agriculture at Rome, to succeed Count Faina, who has resigned owing to diplomatic troubles about minor appointments under the institute.

THE following officers of the Pellagra Investigation Committee have been selected: *Chairman*, Sir T. Lauder Brunton; *vice-chairman*, Dr. F. M. Sandwith; *honorary secretary and treasurer*, Mr. J. Cantlie; *advisory subcommittee*, Mr. E. E. Austen, Professor E. C. Bayly, Sir William Leishman, Dr. J. M. H. MacLeod, Sir Patrick Manson, Sir John McFadyean, Dr. F. W. Mott and Professor Ronald Ross. The *field-workers* will be Dr. Louis W. Sambon, of the London School of Tropical Medicine, and Captain J. E. Siler, with Mr. Arthur Dawson-Amoruso and Mr. G. C. C. Baldini as assistants.

DR. H. H. BÜNZEL, assistant in physiological chemistry at the University of Chicago, has been appointed biochemical expert of the Bureau of Plant Industry in the U. S. Department of Agriculture.

DR. J. H. CREIGHTON, professor of philosophy at Cornell University, will have leave of absence next year. His course will be taken by Dr. G. H. Sabine, of Stanford University.

PAST ASSISTANT SURGEON C. H. LAVINDER, of the Public Health and Marine Hospital Serv-

ice has been sent to Milan and other places in Italy for the purpose of making an investigation into the origin and prevalence of pellagra and into the measures being taken to combat the disease.

MR. W. G. BATEMAN, lately instructor in chemistry in Stanford University, has sailed for China to take up his work as professor of chemistry in the University of Tiensin.

DR. V. FRANZ, assistant in the biological station in Heligo Land, has been appointed head of the department in the Frankfort Neurological Institute.

PROFESSOR W. M. FLINDERS PETRIE has accepted the presidency of the Hampstead Scientific Society, in succession to Sir Samuel Wilks, F.R.S., who has resigned.

DR. JOHN M. COULTER, head of the department of botany, was the orator at the seventy-fourth convocation of the University of Chicago, on March 15. The subject of his address was "Practical Science."

DEAN F. E. TURNEAURE, of the College of Engineering of the University of Wisconsin, reported at the eleventh annual meeting of the American Railway Engineering and Maintenance of Way Association at Chicago last week on the work of the special committee on the effect of high speed and weight of trains on steel and iron bridges, of which he is chairman.

DR. ELLSWORTH HUNTINGTON, of Yale University, on February 26, lectured before the students of Denison University on "The Untamed Inner Border of Palestine."

THE Bakerian lecture of the Royal Society was delivered on March 17 by Professor J. H. Poynting, F.R.S., and Dr. Guy Barlow, on "The Pressure of Light."

AMONG the lectures to be given at the Royal Institution, London, after Easter, is a course of three on the mechanism of the human voice, by Dr. F. W. Mott, F.R.S., Fullerian professor of physiology; Professor C. J. Holmes will give two lectures on heredity in Tudor and Stuart portraits; and Major Ronald Ross, F.R.S., two lectures on malaria. The Tyndall

lectures on electric heating and pyrometry will be given by Professor J. A. Fleming.

DR. ALFRED TUCKERMAN, historian for the American Association for the Advancement of Science, requests us to state that if members of the American Chemical Society who have had correspondence with the late Dr. Charles B. Dudley will send it to him at the Smithsonian Institution, Washington, D. C., it will be safely preserved and will be accessible to those interested.

THE REV. Carr Waller Pritchett, formerly director of the Morrison Astronomical Observatory and president of Central College and Pritchett College, Missouri, died on March 18, at the age of eighty-seven years.

PROFESSOR EDWARD A. BOWSER, for thirty-three years professor of mathematics and engineering at Rutgers College, died at Honolulu, at the age of sixty-five years.

GEORGE WILLIS KIRKALDY, an entomologist, known for his work in hemipterology, died at San Francisco, on February 2, in his thirty-sixth year.

DR. E. P. WRIGHT, for many years professor of botany in Dublin University, has died at the age of seventy-six years.

At the general meeting of the American Philosophical Society in April, 1909, a committee on South Polar exploration was authorized. The resolutions in reference to the matter were sent to all the scientific bodies naturally interested in such exploration, and were supported very widely by them. Later the following were appointed members of this committee: Edwin S. Balch, Henry G. Bryant, Hermon C. Bumpus, Wm. Morris Davis, George W. Melville, Henry F. Osborn and Charles D. Walcott. The committee has been actively at work to promote the exploration of the South Polar region by an American expedition under the auspices of the government. The Navy Department is actively interested in the matter, and it is hoped that the expedition will be definitely authorized before long.

SIXTY committees on the prevention of tuberculosis in various parts of the state of

New York met at Albany last week. At the session on March 18, the Hon. Joseph H. Choate presided and among those making addresses were Dr. Simon Flexner, director of the Rockefeller Institute of Medical Research, and Dr. E. L. Trudeau.

THE summer meeting of the American Institute of Chemical Engineers will be held at Niagara Falls, N. Y., from June 22 to 24. A prominent feature of the meeting will be visits to the interesting chemical industries in this locality. An important program of papers is being arranged for by the committee on meetings.

A PHYSICS CLUB at Philadelphia has been organized with Professor George A. Hoadley, of Swarthmore College, as president and Dr. Guy W. Chipman, of the Friends' Central School, as secretary and treasurer. There are at present forty-three members. At the fourth meeting held at the Central High School, on March 11, Dr. Paul R. Heyl, of the Central High School, presented a paper on the magnetic storm of September 25.

THE eighth International Physiological Congress is to be held at the Physiological Institute of the University, Vienna, from September 27-30 next.

THE British Medical Association will hold its seventy-eighth annual meeting in London, July 26 to July 29. The president's address will be delivered on July 26 and the sections will meet on the three following days. The president of the association is Sir William Whitla and the president-elect Mr. H. T. Butlin.

THE *Medical Record* states that the Forsyth Dental Infirmary is soon to be incorporated in Boston as a result of a donation of \$2,000,000 made by Mr. Thomas A. Forsyth, of that city. The infirmary is to be located in Hemenway Street in the Back Bay, is to be thoroughly equipped and manned for modern dental surgery, and is to be free to any child under sixteen years of age. The purpose of the clinic is to give free care of the teeth to every child in Boston.

AMONG the recent gifts to the U. S. National Museum are a series of minerals from Cobalt, Ontario. These include a specimen of niccolite which is an arsenide of nickel and shows the rich metallic luster so characteristic of all nickel ores. Another is a fine specimen of breithauptite, which is a combination of nickel and antimony, with strings of native silver in a matrix of calcite. The slender veins of these two metallic ores wandering irregularly through the white limestone are most attractive. With these there is also from the same locality a specimen of the mineral, known as smaltite which in composition is a combination of cobalt and arsenic. It has a white silvery appearance and is a good cabinet specimen.

THE twenty-first session of the Biological Laboratory of the Brooklyn Institute of Arts and Sciences located at Cold Spring Harbor, Long Island, will be held for six weeks beginning Wednesday, July 6. The courses offered comprise field zoology by Drs. H. E. Walter and C. B. Davenport; bird study by Mrs. H. E. Walter; comparative anatomy by Drs. H. S. Pratt and A. A. Schaeffer; general embryological and microscopical technique by Miss Mabel Bishop, of Goucher College; cryptogamic botany by Dr. D. S. Johnson, of Johns Hopkins University, and Mr. H. H. York; ecology by Dr. H. S. Conrad, of Grinnell College. For the first time a course for teachers on the principles of agriculture is offered under the direction of Professor H. H. Laughlin, of Missouri State Normal School, at Kirksville. The usual facilities for beginning investigation under the direction of the instructors are offered and a limited number of tables and private rooms are available for investigators. Those who desire to make use of the facilities of the laboratory for investigation may address the director, C. B. Davenport, Cold Spring Harbor, N. Y., from whom announcements may be obtained.

THE *Geographical Journal* is informed that a scientific expedition to Colombia is being organized at Neuchâtel, under the auspices of the Société Helvétique des Sciences Natur-

elles, the leader being Dr. O. Fuhrman, professor of zoology at Neuchâtel University. It is hoped that a start will be made in July next, and the main objects kept in view will be the study of the fauna of the lakes and rivers of central Colombia, as well as the parasitic flora, but geological and geographical observations are also contemplated. Dr. Fuhrmann will be accompanied, as botanist, by Dr. Mayor, of Neuchâtel. The Magdalena will be ascended from Baranquilla to Puerto Berrio, whence the party will proceed to Medellín. From this and other centers excursions will be made to various parts of the central Cordillera and the region of the Cauca, the travelers afterwards turning their attention to the Paramos of the eastern Cordillera, and making excursions in various directions from Bogotá. Halts will also be made later at Honda and Puerto Berrio, during the return journey to the coast.

UNIVERSITY AND EDUCATIONAL NEWS

MRS. HELEN HARTLEY JENKINS has given the University and Bellevue Hospital Medical College \$100,000 to endow the Marcellus Hartley professorship of medicine.

MR. CHESTER W. LYMAN, of New York, has given \$5,000 to the Sheffield Scientific School of Yale University for a lectureship on the subject of water-storage conservation to be known as the Chester W. Lyman lectureship in memory of the donor's father, who was for many years professor of physics and astronomy in the Sheffield Scientific School.

A FRIEND of the Allegheny Observatory has endowed a fellowship in astronomy at that institution. The fellow is to receive \$500.

It is reported in the daily papers that Mr. John D. Rockefeller has given \$150,000 to erect buildings for the American College for Girls at Constantinople.

MR. W. H. LEVER has offered to give to the University of Liverpool, property of the value of £84,000, which appears to have been the receipts resulting from a libel suit instituted against the London *Daily Mail* by Messrs. Lever Brothers.